

## THE MERRIMACK ELECTROLYZER STACK

### Cost-effective mid-range green hydrogen production

The Merrimack electrolyzer stack uses PEM (proton exchange membrane) technology to offer unprecedented operating efficiencies at high current densities.

- Designed for energy storage, green hydrogen fueling stations, and industrial applications
- Offers best-in-class price performance from 10 Nm<sup>3</sup>/hr to 30 Nm<sup>3</sup>/hr (22.4 kg/d to 67 kg/d)
- Turn-down ratio of 10:1 and millisecond ramp times enable easy demand management
- High operating temperatures and differential pressures minimize balance of plant costs
- World class lifetimes with stable operating voltages

# GENFUEL<sup>®</sup>



Your full-service hydrogen  
fueling system.



**THE MERRIMACK PROVIDES MODULAR BUILDING BLOCKS OR TURNKEY SYSTEMS TO SUPPORT YOUR ENERGY STORAGE, HYDROGEN FUELING STATION, AND INDUSTRIAL NEEDS.**

<b>PRODUCT SPECIFICATIONS (STACK)</b>				
<b>SPECIFICATION</b>	<b>UNITS</b>	<b>ILLUSTRATIVE H2 FLOW RATES</b>		
<b>HYDROGEN FLOW RATE</b>	<b>NM<sup>3</sup>/H</b>	10	20	30
<b>OXYGEN FLOW RATE</b>	<b>NM<sup>3</sup>/H</b>	5	10	15
<b>OPERATING PRESSURE</b>	<b>BARG</b>	1 to 40		
<b>VOLTAGE*</b>	<b>V</b>	54	109	163
<b>CURRENT</b>	<b>A</b>	90 to 900		
<b>OPERATING TEMPERATURE</b>	<b>°C</b>	5°C to 70°C		
<b>DEIONIZED WATER FLOW</b>	<b>L/M</b>	50	100	150
<b>NUMBER OF CELLS</b>	<b>--</b>	28	56	84
<b>DIMENSIONS (Ø X H)</b>	<b>CM</b>	43.6 X 35.2	43.6 X 50.2	43.6 X 64.6
<b>EFFICIENCY</b>	<b>--</b>	Up to 88.4%		
<b>LIFE EXPECTANCY</b>	<b>--</b>	Stack: 80,000 hours		
<b>CERTIFICATIONS</b>	<b>--</b>	CE / ASME / NFPA / ATEX (inquire about additional requirements)		

Product specifications are subject to change without notice.

\*BOL, 70°C

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